

10/565273

Atty. Dkt. No. 081356-0255

**IAP20 Rec'd PCT/PTO 20 JAN 2006**

*IN THE UNITED STATES PATENT AND TRADEMARK OFFICE*

Applicant: Naoyuki KATAYAMA et al.

Title: METHOD FOR PREPARING LANGERHANS CELL FROM HUMAN PERIPHERAL-BLOOD MONONUCLEAR CELL I.E., CD14-POSITIVE CELL USING NOTCH LIGAND DELTA-1, GM-CSF AND TGF- $\beta$  (*As Amended*)

Int'l. Appl. No.: PCT/JP2004/010783

Int'l. Filing Date: July 22, 2004

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The documents being cited in the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding international application. A copy of the International Search Report is attached setting forth the portion of the documents considered relevant by the examiner. A copy of the cited references listed in the Search Report are not being submitted herewith.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 20 January 2006

By Stephen B. Maebius

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Date Submitted: January 20, 2006

(use as many sheets as necessary)

Complete if Known

Application Number	Unassigned
Filing Date	January 20, 2006
First Named Inventor	Naoyuki KATAYAMA
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	081356-0255

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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

## U.S. PATENT APPLICATION DOCUMENTS

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		Serial Number	Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A1	IP	2002-509717 A		I.D.M. IMMUNO-DESIGNED MOLECULES	4/2/2002		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A2	J.F. ARRIGHI et al., "TNF- $\alpha$ induced the generation of Langerin/(CD 207) <sup>+</sup> immature Langerhans-type dendritic cells from both CD14 <sup>+</sup> CD1a <sup>-</sup> and CD 14 <sup>+</sup> CD1a <sup>+</sup> precursors derived from CD34 <sup>+</sup> cord blood cells", Eur. J. Immunol. (2003-July), Vol. 33, No. 7, pp. 2053-2063.	
	A3	M.L. TSIATAS et al., "A Novel Culture Environment for Generating Mature Human Dendritic Cells from Peripheral Blood CD14 <sup>+</sup> Cells," Anticancer Research (2001), Vol. 21, No. 2A, pp. 1199-1206.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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